

ITEM 0104061

REPAIR FLEXIBLE BASE ROADWAY WITH MODIFIED RIP-RAP

DESCRIPTION

Where required by the Engineer, the Contractor shall make repairs to yielding, or unsatisfactory sections of flexible roadway base by doing excavation and backfilling work in addition to that required by the contract documents. Excavation and backfilling by hand may be necessary.

REFERENCED ITEMS

Items 0103702 and 0109101

REQUIRED SUBMITTALS

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for modified rip rap in accordance with the contract general requirements.

MATERIALS

Materials for this item shall consist of sound, tough, durable and angular rock, free from decomposed stones or other defects impairing its durability. The size of a stone as herein specified shall be its least dimension. Broken concrete or rounded stones are not acceptable material. Acceptable stone material shall conform to the following gradations and shall be described as "Modified Rip-Rap".

Stone Size	% of the Mass
Over 10"	-0-
6" to 10"	20 - 50
4" to 6"	30 - 60
2" to 4"	30 - 40
1" to 2"	10 - 20
Less than 1"	0 - 10

Processed Traprock shall conform to the material requirements of Item 0103702. Geotextile Fabric used shall conform to the material requirements as specified in Item 0109101.

CONSTRUCTION METHODS

Where required by the Engineer, the Contractor shall make repairs by doing excavation and backfilling work in addition to that required by the Contract Documents. Excavation and backfilling by hand may be necessary. Wherever the Engineer determines that material at or below the normal grade for a pipe or structure, or at or below the elevation for a pavement structure is unsuitable for a foundation, that material shall be excavated to an additional depth as directed by the Engineer. Geotextile fabric shall be placed on the sub-grade and the excavation shall be refilled with modified rip-rap to an elevation below the finished grade of the roadway as directed by the Engineer. Processed traprock shall be placed over the modified rip-rap in compliance with construction methods as specified in Item 0103702, (Processed Traprock Base) to an elevation satisfactory for the placement of the pavement structure as shown on the contract plans, or as directed by the engineer.

METHOD OF MEASUREMENT

This item will be measured by the total number of in place cubic yards of modified rip rap and processed traprock placed by the contractor as directed by order of the Engineer.

BASIS OF PAYMENT

This item will be paid for at the contract unit price per cubic yard for "REPAIR FLEXIBLE BASE ROADWAY WITH MODIFIED RIP RAP" complete in place, which price shall include all materials, tools, equipment and labor incidental thereto. No separate payment will be made for off-site disposal of unsuitable material, excavation, furnishing and placing geotextile fabric and furnishing and placing crushed stone but the costs for these items shall be included in the contract unit price for repair flexible base roadway with modified rip rap.

<u>PAY UNIT</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0104061	Repair Flexible Base Roadway with Modified Rip-Rap	CY